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<211> 585

<212> PRT

<213> Arabidopsis thaliana

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35 40 45

Lys Ala Thr Ala Ala Gln Thr Leu Lys Leu Ser Ala Val Asn Ser Thr
50 55 60

Val Met Met Lys Pro Ala Lys Ile Ala Leu Asp Gln Phe Ile Ala Ser
65 70 75 80

Leu Phe Thr Phe Leu Leu Leu Tyr Ile Leu Arg Arg Ser Ser Asn Lys
85 90 95

Asn Lys Lys Asn Arg Gly Leu Val Val Ser Gln Asn Asp Thr Val Ser
100 105 110

Lys Asn Leu Glu Thr Glu Val Asp Ser Gly Thr Asp Val Ile Ile Val
115 120 125

Gly Ala Gly Val Ala Gly Ser Ala Leu Ala His Thr Leu Gly Lys Glu
130 135 140

Gly Arg Arg Val His Val Ile Glu Arg Asp Phe Ser Glu Gln Asp Arg
145 150 155 160

Ile Val Gly Glu Leu Leu Gln Pro Gly Gly Tyr Leu Lys Leu Ile Glu
165 170 175

Leu Gly Leu Glu Asp Cys Val Lys Lys Ile Asp Ala Gln Arg Val Leu
180 185 190

Gly Tyr Val Leu Phe Lys Asp Gly Lys His Thr Lys Leu Ala Tyr Pro
195 200 205

Leu 210	Glu	Thr	Phe	Asp	Ser	Asp 215	Val	Ala	Gly	Arg	Ser 220	Phe	His	Asn	Gly
Arg 225	Phe	Val	Gln	Arg	Met 230	Arg	Glu	Lys	Ala	Leu 235	Thr	Leu	Ser	Asn	Val 240
Arg	Leu	Glu	Gln	Gly 245	Thr	Val	Thr	Ser	Leu 250	Leu	Glu	Glu	His	Gly 255	Thr
Ile	Lys	Gly	Val 260	Arg	Tyr	Arg	Thr	Lys 265	Glu	Gly	Asn	Glu	Phe 270	Arg	Ser
Phe	Ala	Pro 275	Leu	Thr	Ile	Val	Cys 280	Asp	Gly	Cys	Phe 285	Ser	Asn	Leu	Arg
Arg	Ser 290	Leu	Cys	Lys	Pro	Lys 295	Val	Asp	Val	Pro	Ser 300	Thr	Phe	Val	Gly
Leu 305	Val	Leu	Glu	Asn 310	Cys	Glu	Leu	Pro	Phe	Ala 315	Asn	His	Gly	His	Val 320
Val	Leu	Gly	Asp 325	Pro	Ser	Pro	Ile	Leu	Met 330	Tyr	Pro	Ile	Ser	Ser 335	Ser
Glu	Val	Arg	Cys 340	Leu	Val	Asp	Val	Pro 345	Gly	Gln	Lys	Leu	Pro 350	Pro	Ile
Ala	Asn 355	Gly	Glu	Met	Ala	Lys	Tyr 360	Leu	Lys	Thr	Arg 365	Val	Ala	Pro	Gln
Val 370	Pro	Thr	Lys	Val	Arg	Glu 375	Ala	Phe	Ile	Thr	Ala 380	Val	Glu	Lys	Gly
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Thr	Pro	Gly	Ala 405	Leu	Leu	Leu	Gly	Asp	Ala 410	Phe	Asn	Met	Arg	His 415	Pro
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Arg	Asp 435	Leu	Leu	Arg	Pro	Ile	Arg 440	Asn	Leu	Asn	Asp	Lys 445	Glu	Ala	Leu
Ser	Lys 450	Tyr	Ile	Glu	Ser	Phe 455	Tyr	Thr	Leu	Arg	Lys 460	Pro	Val	Ala	Ser
Thr 465	Ile	Asn	Thr	Leu	Ala 470	Asp	Ala	Leu	Tyr	Lys 475	Val	Phe	Leu	Ala	Ser 480
Ser	Asp	Glu	Ala 485	Arg	Thr	Glu	Met	Arg	Glu 490	Ala	Cys	Phe	Asp	Tyr 495	Leu
Ser	Leu	Gly	Gly 500	Val	Phe	Ser	Ser	Gly 505	Pro	Val	Ala	Leu 510	Leu	Ser	Gly

Leu Asn Pro Arg Pro Leu Ser Leu Val Leu His Phe Phe Ala Val Ala
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Ile Tyr Ala Val Cys Arg Leu Met Leu Pro Phe Pro Ser Ile Glu Ser
530 535 540

Phe Trp Leu Gly Ala Arg Ile Ile Ser Ser Ala Ser Ser Ile Ile Phe
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gtgcaacgga tgtcatcatt gtnggggagg gtgttgacagg cgcttctctt gcttatgcnt 180
tagctaagga tngacgacga gtacatgtga tagagangga cttaaaagag ccacaaagat 240
tcatgggaga nctgatgcaa ncgaggaggtc gctttcatgt taagcccagc ttggcctcga 300
agattgttnt ggaggacatn gacgcacaag aatncgaaan cctttggcat atnccaagnn 360
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gggaagaagg cgacgcagtt ggcggatgcg gtgggtgaag agcgagaaga cggtgctact 180
gacgttatca tcgttggggc tggagtaggc ggctcggctc tcgcatatgc tcttgctaag 240
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gagtttatgc aaccaggagg acgactcatg ctctctaagc ttggtcttga agattgtttg 360
gagggaaatag atgccccaaa agccacgggc atgacagttt ataaggacgg aaaagaagca 420
gtcgcattctt ttcccggtga caacaacaat tttccttttg atccttcggc tcgatctttt 480
cacaatggcc gattcgtcca acgattgcgg caaaaggctt cttctcttcc caatgtgcgc 540
ctggaagaag gaacgggtgaa gtctttgata gaagaaaaag gaggatgaca aggagtgaca 600
tacaaaaata gcgcaggcga agaaacaaca gccttggcac ctctcactgt agtatgcgac 660
ggttgctact caaaccttcg ccggtctctt aatgacaaca atgcggaggt tctgtcatac 720
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<213> Arabidopsis thaliana

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Thr Val Phe Tyr Val Thr Asn Arg Gly Lys Lys Ala Thr Gln Leu Ala
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Asp Ala Val Val Glu Glu Arg Glu Asp Gly Ala Thr Asp Val Ile Ile
          50           55           60
Val Gly Ala Gly Val Gly Gly Ser Ala Leu Ala Tyr Ala Leu Ala Lys
65           70           75           80
Asp Gly Arg Arg Val His Val Ile Glu Arg Asp Leu Arg Glu Pro Glu
          85           90           95
Arg Ile Met Gly Glu Phe Met Gln Pro Gly Gly Arg Leu Met Leu Ser
          100          105          110
Lys Leu Gly Leu Glu Asp Cys Leu Glu Gly Ile Asp Ala Gln Lys Ala
          115          120          125
Thr Gly Met Thr Val Tyr Lys Asp Gly Lys Glu Ala Val Ala Ser Phe
          130          135          140

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Pro	Val	Asp	Asn	Asn	Asn	Phe	Pro	Phe	Asp	Pro	Ser	Ala	Arg	Ser	Phe	145	150	155	160
His	Asn	Gly	Arg	Phe	Val	Gln	Arg	Leu	Arg	Gln	Lys	Ala	Ser	Ser	Leu	165	170	175	
Pro	Asn	Val	Arg	Leu	Glu	Glu	Gly	Thr	Val	Lys	Ser	Leu	Ile	Glu	Glu	180	185	190	
Lys	Gly	Val	Ile	Lys	Gly	Val	Thr	Tyr	Lys	Asn	Ser	Ala	Gly	Glu	Glu	195	200	205	
Thr	Thr	Ala	Leu	Ala	Pro	Leu	Thr	Val	Val	Cys	Asp	Gly	Cys	Tyr	Ser	210	215	220	
Asn	Leu	Arg	Arg	Ser	Leu	Asn	Asp	Asn	Asn	Ala	Glu	Val	Leu	Ser	Tyr	225	230	235	240
Gln	Val	Gly	Phe	Ile	Ser	Lys	Asn	Cys	Gln	Leu	Glu	Glu	Pro	Glu	Lys	245	250	255	
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Ala	Pro	Gln	Val	Pro	Leu	Lys	Leu	Arg	Lys	Ile	Phe	Leu	Lys	Gly	Ile	305	310	315	320
Asp	Glu	Gly	Glu	His	Ile	Lys	Ala	Met	Pro	Thr	Lys	Lys	Met	Thr	Ala	325	330	335	
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Pro	Met	Ser	Ala	Thr	Val	Asn	Thr	Leu	Gly	Asn	Ala	Phe	Ser	Gln	Val	405	410	415	
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Leu Ala Asp Thr Val Ala Glu Asp Gln Lys Asp Gly Ala Ala Asp Val
          35           40           45

Ile Ile Val Gly Ala Gly Val Gly Gly Ser Ala Leu Ala Tyr Ala Leu
          50           55           60

Ala Lys Asp Gly Arg Arg Val His Val Ile Glu Arg Asp Met Arg Glu
65           70           75           80

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Lys	Ala	Thr	Gly	115	Leu	Ala	Val	Tyr	120	Lys	Asp	Gly	Lys	Glu	125
Pro	Phe	Pro	Val	Asp	Asn	Asn	Asn	Phe	135	Ser	Tyr	Glu	Pro	Ser	140
Ser	Phe	His	Asn	Gly	Arg	Phe	Val	Gln	150	Gln	Leu	Arg	Arg	Lys	155
Ser	Leu	Ser	Asn	Val	Arg	Leu	Glu	Glu	165	Gly	Thr	Val	Lys	Ser	170
Glu	Glu	Lys	Gly	Val	Val	Lys	Gly	Val	175	Thr	Tyr	Lys	Asn	Lys	180
Glu	Glu	Thr	Thr	Ala	Leu	Ala	Pro	Leu	185	Thr	Val	Val	Cys	Asp	190
Tyr	Ser	Asn	Leu	Arg	Arg	Ser	Leu	Asn	195	Asp	Asp	Asn	Asn	Ala	200
Met	Ser	Tyr	Ile	Val	Gly	Tyr	Ile	Ser	210	Lys	Asn	Cys	Arg	Leu	215
Pro	Glu	Lys	Leu	His	Leu	Ile	Leu	Ser	225	Lys	Pro	Ser	Phe	Thr	230
Tyr	Gln	Ile	Ser	Ser	Thr	Asp	Val	Arg	245	Cys	Gly	Phe	Glu	Val	250
Glu	Asn	Phe	Pro	Ser	Ile	Ala	Asn	Gly	260	Glu	Met	Ser	Thr	Phe	265
Asn	Thr	Ile	Val	Pro	Gln	Val	Pro	Pro	275	Lys	Leu	Arg	Lys	Ile	280
Lys	Gly	Ile	Asp	Glu	Gly	Ala	His	Ile	290	Lys	Val	Val	Pro	Ala	295
Met	Thr	Ser	Thr	Leu	Ser	Lys	Lys	Lys	305	Gly	Val	Ile	Val	Leu	310
Ala	Phe	Asn	Met	Arg	His	Pro	Val	Val	320	Ala	Ser	Gly	Met	Met	325
Leu	Ser	Asp	Ile	Leu	Ile	Leu	Arg	Arg	335	Leu	Leu	Gln	Pro	Leu	340
Leu	Gly	Asp	Ala	Asn	Lys	Val	Ser	Glu	350	Val	Ile	Asn	Ser	Phe	355

Trp390" C3453360

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Ser Gln Val Leu Ile Gly Ser Thr Asp Glu Ala Lys Glu Ala Met Arg
405 410 415

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Algeria	2061	1000000	kg
Algeria	2062	1000000	kg
Algeria	2063	1000000	kg
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35 40 45

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Asp 210	Asn	Phe	Asp	Thr	Leu	Ala 215	Val	Val	Phe	Asn	Lys 220	Ser	Ser	Arg	Phe
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